

What is claimed

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B4  
1. A signal processor for a joystick comprising; a joystick input device (11) which varies joystick voltage input value  $V_i$  according to an operating amount of a joystick (10) from a neutral position, an input means (13) which outputs the average value of the joystick voltage input value  $V_i$  read at every sampling time over a predetermined number of past occasions as a joystick voltage computation value  $V_{ic}$ , and computation means (14) which computes an output computation value  $V_{oc}$  set according to the joystick voltage computation value  $V_{ic}$ .

2. ~~A signal processor for a joystick comprising; a joystick input device (11) which varies joystick voltage input value  $V_i$  according to an operating amount of a joystick (10) from a neutral position (11), an input means (13) which outputs the average value of the joystick voltage input value  $V_i$  read at every sampling time over a predetermined number of past occasions as a joystick voltage computation value  $V_{ic}$ , computation means (14) which computes an output computation value  $V_{oc}$  set according to the joystick voltage computation value  $V_{ic}$ , and operation start detecting means which detects an operation start when the joystick (10) is pushed over from the neutral position, wherein the computation means (14) increases the output computation value  $V_{oc}$  to a predetermined value according to the joystick voltage computation value  $V_{ic}$  when operation starts.~~

3. A signal processor for a joystick comprising; a joystick input device (11) which varies joystick voltage input value  $V_i$  according to an operating amount of a joystick (10) from a neutral position, an input

means (13) which outputs the average value of the joystick voltage input value  $V_i$  read at every sampling time over a predetermined number of past occasions as a joystick voltage computation value  $V_{ic}$ , computation means (14) which computes an output computation value  $V_{oc}$  set according to the joystick voltage computation value  $V_{ic}$ , and operation start detecting means which detects an operation start when the joystick (10) is pushed over from the neutral position, wherein the computation means (14) increases the output computation value  $V_{oc}$  to an effective maximum value when operation starts.

[illegible]